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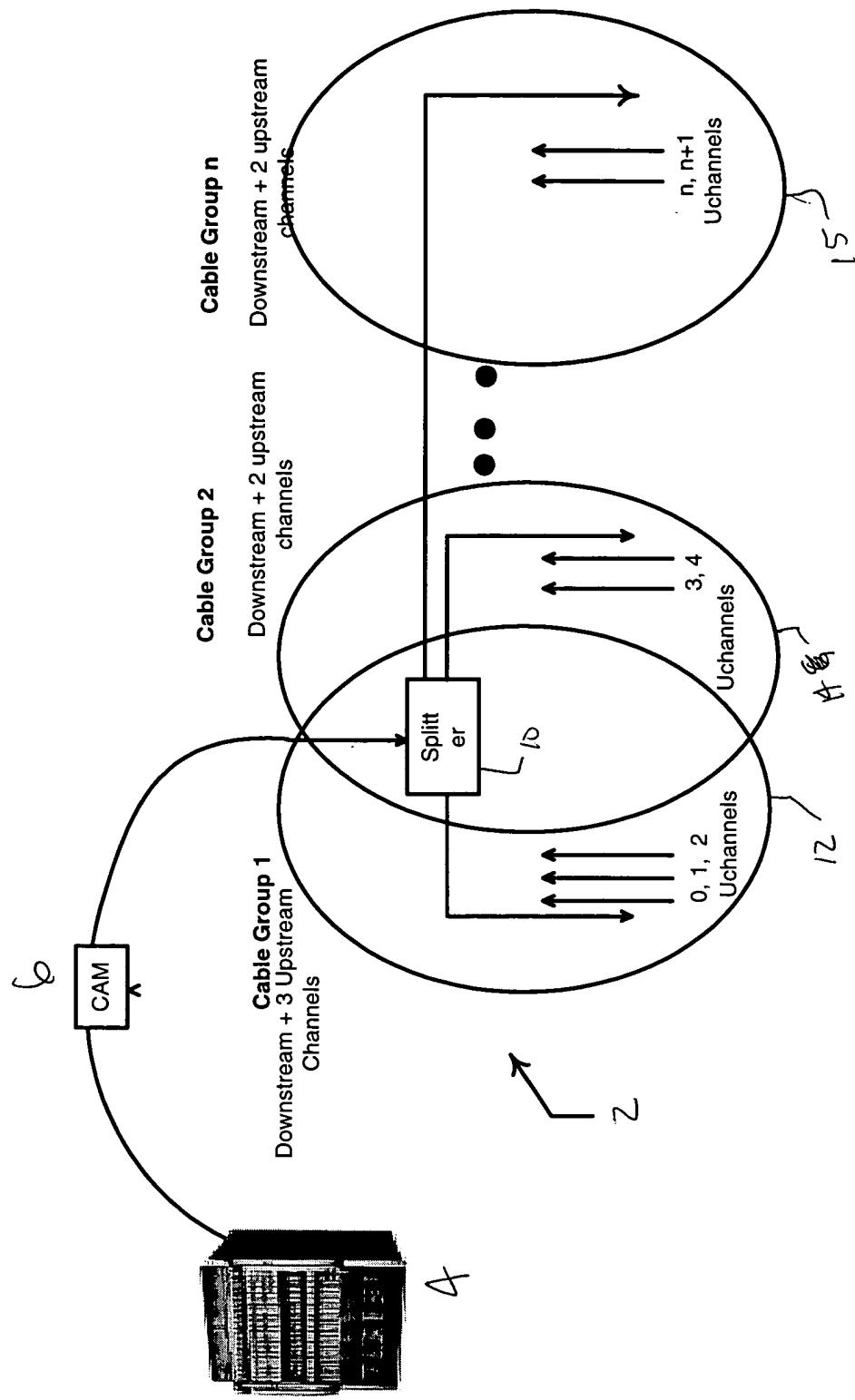
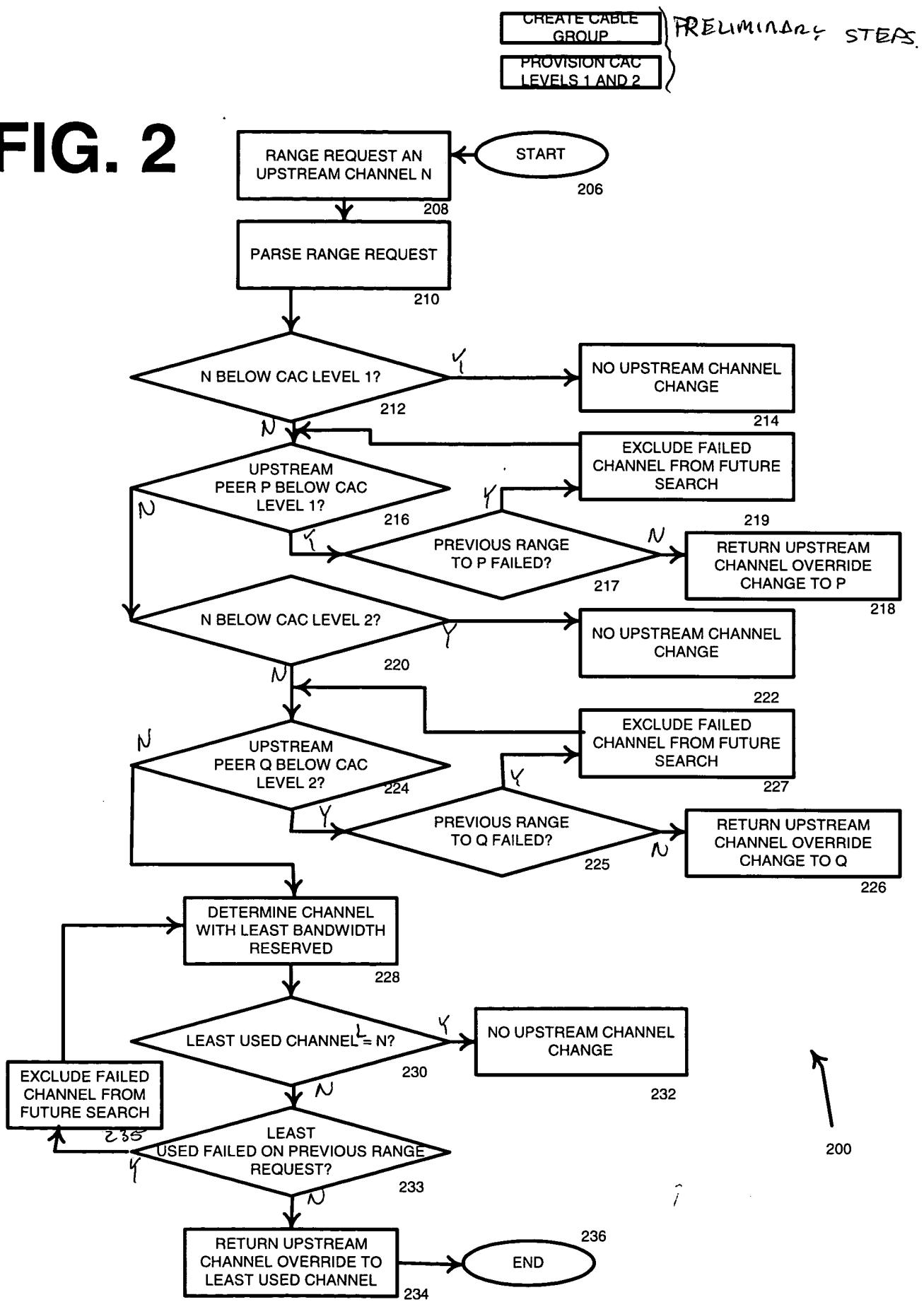


FIG. 1

FIG. 2



UPSTREAM LOAD BALANCING - PHASE 2 (PREDICTIVE LOAD BALANCING)

200 -

- 1) execute Phase 1 as Cable Modem ranges
- 2) Immediately after the cable modem registers do:

302

Cable Modem
Registration Complete
on upstream channel N

304 Is Cable Modem
and a n MTA
and Predictive load balancing on?

yes

308 find peer upstream
Channel with least number.
of MTAs = least used VOIP channel

312

least used VOIP channel = N?

no

314

Send dynamic channel change
request to cable modem
with least used VOIP channel
as target upstream channel

no predictive
load balancing

306

310

no predictive
load balancing

END

316

FIG. 3

300

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'UPSTREAM LOAD BALANCING - PHASE 3

